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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,724	09/19/2003	Kenichi Kawasaki	50T5561.01	6054
36738	7590	06/04/2008		
ROGITZ & ASSOCIATES 750 B STREET SUITE 3120 SAN DIEGO, CA 92101			EXAMINER LANIER, BENJAMIN E	
			ART UNIT 2132	PAPER NUMBER
			MAIL DATE 06/04/2008	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/666,724	<b>Applicant(s)</b> KAWASAKI ET AL.	
	<b>Examiner</b> BENJAMIN E. LANIER	<b>Art Unit</b> 2132	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>11/12/2004;2/24/2004;9/19/2003</u> . | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

3. Claims 1-4, 7-13, 16-19, 22-26, 29-35, 38-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Olson, U.S. Publication No. 2003/0117587, in view of Nesic, U.S. Patent No. 6,593,895. Referring to claim 1-4, 8-13, 17-19, 23-26, 30-32, 34-35, 39, Olson discloses a projector (Figure 2, 14) that wirelessly (Figure 2, 32 & [0023]) receives uncompressed data ([0041]) from a portable computer (Figure 4, 56 & 58) for display on a screen (Figure 4, 65), which meets the limitation of a source of multimedia data, means for storing multimedia data, and a displayer of multimedia data mounted in a room in which the source is disposed, the source wirelessly transmitting the multimedia data in an uncompressed form to the displayer on a primary link, the displayer is a projector. Olson does not specify using a frequency band of 60 GHz. Nesic discloses utilizing microwave and millimeter-wave

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communication systems at the frequency band of 59-64 GHz for short range high data rate communication for HD video transmissions and TV distribution systems (Col. 1, lines 11-32), which meets the limitation of the primary link has a data rate of at least two Giga bits per second (2.0 Gbps) and the primary link has a bandwidth of approximately 2.5 GHz, the primary link is a full duplex link, the data is high definition (HD) multimedia data, wirelessly transmitting a multimedia signal on the link from the transmitter to the receiver at a frequency sufficiently high that the signal substantially cannot be received outside the room, the source of multimedia data is a set-top box like device capable of decoding compressed multimedia content as received from at least one of: satellite, cable, terrestrial broadcast, internet streaming. It would have been obvious to one of ordinary skill in the art at the time the invention was made to transmit the uncompressed data of Olson using 60GHz frequency band in order to take advantage of the high data rate communications possible using the 60 GHz frequency band (Nesic: Col. 1, lines 11-32), which would have allowed for faster transmission of the uncompressed data of Olson.

Referring to claims 7, 16, 22, 29, 38, Olson discloses that the computer user can utilize a remote control to the control what the computer transmits to the projector ([0046]), which meets the limitation of control signals are sent between the source and displayer, at least some control signals being useful for establishing a source antenna beam control.

Referring to claim 33, Olson discloses utilizing LCDs ([0017]), which meets the limitation of the display is a liquid crystal display (LCD).

4. Claims 5-6, 14-15, 20-21, 27-28, 36-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Olson, U.S. Publication No. 2003/0117587, in view of Nesic, U.S. Patent No. 6,593,895, and in further view of Edenson, U.S. Patent No. 7,006,995. Referring to claims 5, 14,

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20, 27, 36, Olson does not disclose the uncompressed data being encrypted prior to being received by the projector. Edenson discloses a projector receiving encrypted data and a decryption key together (Col. 3, line 61 - Col. 4, line 2 & Col. 8, lines 28-31), which meets the limitation of encryption keys are multiplexed with the multimedia data on the primary link. It would have been obvious to one of ordinary skill in the art at the time the invention was made for the uncompressed data of Olson to be encrypted prior to being transmitted to the projector in order to render the data virtually useless if intercepted by an unauthorized party as taught by Edenson (Col. 3, line 66 – Col. 4, line 2).

Referring to claims 6, 15, 21, 28, 37, Olson does not disclose the uncompressed data being encrypted prior to being received by the projector. Edenson discloses a projector receiving encrypted data over one channel and the decryption key over another channel (Col. 3, line 61 - Col. 4, line 2 & Col. 8, lines 38-39), which meets the limitation of the displayer and source further communicate an encryption key on a secondary link having a data rate lower than the data rate of the primary link. It would have been obvious to one of ordinary skill in the art at the time the invention was made for the uncompressed data of Olson to be encrypted prior to being transmitted to the projector in order to render the data virtually useless if intercepted by an unauthorized party as taught by Edenson (Col. 3, line 66 – Col. 4, line 2). Furthermore, it would have been obvious to one of ordinary skill in the art at the time the invention was made for the encryption key to be transmitted over a different channel than the channel used to transmit the encrypted data in order to enhance data security as taught by Edenson (Col. 8, lines 38-39).

### ***Conclusion***

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5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to BENJAMIN E. LANIER whose telephone number is (571)272-3805. The examiner can normally be reached on M-Th 6:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Benjamin E Lanier/  
Primary Examiner, Art Unit 2132